It is expected that a Quorum of the Personnel Committee. Administration Committee, and Common Council will be attending this meeting: (although it is not expected that any official action of any of those bodies will be taken)

CITY OF MENASHA Board of Public Works Third Floor Council Chambers, 140 Main Street, Menasha January 21, 2008

6:15 PM

AGENDA

| | | ☐ ← Back Print | |
|----|-----------|---|-------------|
| 1. | CA | LL TO ORDER | |
| | A. | - | |
| 2. | RO | LL CALL/EXCUSED ABSENCES | |
| | A. | - | |
| 3. | | NUTES TO APPROVE-MINUTES & COMMUNICATIONS TO CEIVE | |
| | A. | January 7, 2008 | |
| 4. | DIS | CUSSION | |
| | A. | Street Use Application - Memorial Day Parade; Monday, May 26, 2008; 8:00 AM to 10:30 AM; American Legion 152 | Attachments |
| | В. | Change Order - National Power Rodding Corporation; Contract Unit No. E145-07-01B, Sanitary Sewer Rehabilitation; 39-Day Time Extension to June 30, 2008 Due to Weather Conditions (Change Order No. CO-1450701B-01) | Attachments |
| | C. | Change Order - Infrastructure Technologies, Inc.; Contract Unit No. E145-07-01D, Sanitary Manhole Lining; DEDUCT: \$5,760.00 (Change Order No. CO-1450701D-01) | Attachments |
| | D. | Payment - Infrastructure Technologies, Inc.; Contract Unit No. E145-07-01D, Sanitary Manhole Lining; \$32,983.37 (Payment No. 1) | Attachments |
| | Е. | Preliminary Resolution Declaring Intent to Exercise Special Assessment Powers under Section 66.07, Wisconsin Statutes - Final Asphalt Pavement/Curb & Gutter in Lake Park Heights Subdivision, Northridge Manor II Subdivision and Walker Subdivision | Attachments |
| | F. | Status Report on Phase III SSES and Sanitary Sewer Improvements | Attachments |
| | G. | Status Report on Snow and Ice Control Budget | Attachments |
| | Н. | Recommendation to Reconstruct First Street from Manitowoc Street to Ice Street (2008 Budget) | Attachments |
| 5. | AD, | JOURNMENT | |
| | Α. | - | |

| "Menasha is committed to its diverse population. Our Non-English speaking population and those with disabilities contact the Menasha City Clerk at 967-3603 24-hours in advance of the meeting for the City to arrange special accommodations." | are invited to |
|---|----------------|
| | |
| | |
| | |



STREET USE APPLICATION

| Sponsored by: American Legion 152 |
|---|
| Responsible Person: Michael E Taylor Street Use Date: 5/26/08 |
| Address: 545 Broad STREET Start Time: 8.00g.m. Lineup |
| Man 1 105 End Time: 10.30 |
| Menasha, WI, 54952 Number of Units: 100 |
| Phone: 920 725-5380 |
| Street Route: (Attach Map) Start 2nd a Milway Fee To Main, West on Description of Use |
| Main To Tayeo, South on layeo, Continue |
| on To Washington into the city of Neengh |
| on N. Commercial ST. |
| |
| LIABILITY INSURANCE HAS BEEN SECURED IN THE AMOUNT OF \$ 1,600,000 WITH THE CITY OF MENASHA NAMED AS ADDITIONAL INSURED: |
| Insurance Company Colony National Policy No. AR& 360147A |
| (Attached is a copy of the insurance certificate). Genesis Indemnity - ZxB300938E |
| NOTE TO EVENTS PLANNING TO USE CITY PARKS AND/OR GREENSPACE: Any multi-day event or event which plans to sell beer and/or wine to the public must appear before the Parks and Recreation Board. |
| DATE: 1-14-08 APPLICANT'S SIGNATURE: Mishall & Taylor Vice Commander. American Jegion Post #152 |
| TO BE COMPLETED BY CITY STAFF |
| SCHEDI II ED DADK 8 DECDEATION DOADD DEVIEW DATE: |
| SCHEDULED PARK & RECREATION BOARD REVIEW DATE: |
| NOT REQUIRED: APPROVED: DENIED: |
| |
| SCHEDULED COMMON COUNCIL REVIEW DATE: 1/21/08 |
| |
| APPROVED: DENIED: |
| Police Dept. Fire Dept. WW Public Works Dept. MR City Attorney City sponsored event- City not needed to be name an additional insurety |

PARADE ENDS WISC. AVE MAY 26th. 2008 NEENAH NICOlet Blud MENASHA 8:00 AM WATER FRONT SERVICE BROAD ST FIRST ST Soond ST PARAde START 9:00 AM



| CHANGE ORDER | NO | CO-14507 | 01B-01 | DATE | Dece | mber 13, | 2007 |
|---|--------------------|-------------------------------|---|---|----------------------------------|----------------------|---|
| KAEMPFER & AS Consulting Enginee Post Office Box 15 650 East Jackson S Oconto Falls, WI 5 | ers 0 treet | | PROJECT: OWNER: | | ENASHA eet | | STEM NTS PHASE 3 |
| OWNER'S PROJEC | CT NO.: | | | ENGINEER' | S PROJECT N | NO.: | E145-05.11 |
| CONTRACTOR: | NATIONA CORPORA | | RODDING REVIS | COMPLE | RACT DATE: TION DATE: TION DATE: | Novem May 22 June 30 | <u>*</u> |
| ADDRESS: | | rthington St | treet | | | | , 2000 |
| CONTRACT: | E145-07-0 | lB, Sanitary | Sewer Reha | bilitation | | | |
| You are directed to n your contract, subject NATURE OF CHAN time extension will a | t to all the co | onditions the Contractor i | ereof; s granted a 3 | 39-day time ex | xtension. Due | | |
| ADDITIONAL NUM Enclosures: Nationa | al Power Roc | lding Corp. | letter dated I | | 007. | E ORDER | : <u>39</u> DAYS |
| The changes result | in the follow | ing adjustm | ent of Contra | act Price: | | | |
| Contract Price Prior | to this Char | ige Order | | | _ | \$150,4 | 159.73 |
| Net (Increase/Decre | lásé) Resulti | ng from this | Change Ord | ler | | \$ | 0.00 |
| Current Price, inclu | ding this Cha | ange Order | | | _ | \$150,4 | 159.73 |
| The above changes a | re approved: | | *************************************** | *************************************** | | | |
| FOR THE ENGINEE | ER: B | y: Taryn S | S. Nall, P.E. | Jel | Date: | 1/2/ | 08 |
| FOR THE OWNER: | В | y: Mark R | Radtke, P.E., | Director of Pu | Date: blic Works | | |
| The above changes | are accepte | d: | *************************************** | | | | *************************************** |
| FOR THE CONTRA | CTOR: | NATIC | NAL POWE | ER RODDING | CORPORAT | ION | |
| | В | y: Harold | well Kosova, Pres | Laue | Date: | 2/18/ | 107 |

K:\E145\05\11\CO\NATL POWER ROD\#1.doc



NATIONAL POWER RODDING CORP.

Specializing in today's needs for environmental protection. 2500 W. Arthington Street • Chicago, IL 60612-4108 • (312) 666-7700 • Fax (312) 666-5810

December 6, 2007

Taryn S. Nall, P.E. Kaempfer & Associates, Inc. 650 E. Jackson P.O. Box 150 Oconto Falls, WI 54154 DEC 0 7 2007

STATE REPORTS

RE:

City of Menasha

Wastewater Collection System Rehabilitation Improvements - Phase 3

Contract E145-07-01B - Sanitary Sewer Rehabilitation

NRPC Job #MEN102-1

Dear Mr. Nall:

We have reviewed the various services we need to perform within this contract. Due to the weather, we are requesting an extension of time to June 30, 2008.

Thank you for your consideration.

Lasen

Sincerely,

Harold Kosova

President

| CHANGE ORDER | NO. | CO-145 | 0701D-01 | DATE | Dece | ember 17 | 7, 2007 |
|--|--|--------------|-------------------------|----------------|------------------|---|--------------------------------|
| KAEMPFER & AS Consulting Engine Post Office Box 15 650 East Jackson S Oconto Falls, WI 5 | ers 0 treet | S, INC. | PROJECT: OWNER: | | IENASHA treet | | SYSTEM ENTS PHASE 3 |
| OWNER'S PROJE | CT NO.: | | | ENGINEER | S PROJECT N | NO.: _ | E145-05.11 |
| CONTRACTOR: | | RUCTUR | | | RACT DATE: | | mber 12, 2007 mber 30, 2008 |
| ADDRESS: | | Run Road | l nsin 54501 | | | · | |
| CONTRACT: | | | ary Manhole L | ining | | | |
| You are directed to r your contract, subject | nake the cha | anges note | d below in the thereof; | above contrac | et and this Char | nge Orde | er becomes a part of |
| NATURE OF CHA pavement restoration ADDITIONAL NUM Enclosures: Change | for future putting for future putting for future putting for for formal for formal for for future putting fo | olanned str | eet projects. | VIDED BY T | THIS CHANGE | E ORDE | |
| The changes result | in the follow | ving adjus | tment of Contr | act Price: | | | |
| Contract Price Prior | | | | | | \$312 | 2,491.00 |
| Net (Increase/Decre | ease) Result | ing from the | his Change Ord | ler | | (\$ 5 | 5,760.00) |
| Current Price, inclu | ding this Cl | nange Orde | er | | | \$306 | 5,731.57 |
| The above changes a | re approved | : | | | | | |
| FOR THE ENGINEE | ER: I | By: Tary | n S. Nall, P.E. | Nell | Date: | 1/2 | 100 |
| FOR THE OWNER: | Ι | By:Mark | Radtke, P.E., | Director of Pu | Date: | | |
| The above changes | are accept | ed: | | | | *************************************** | |
| FOR THE CONTRA | CTOR: | INFF | RASTRUCTUE | RE TECHNOI | LOGIES, INC. | | |
| | F | By: Matt | Huston, Projec | t Manager | Date: | 12-21 | 1-07 |

DATE: December 17, 2007

SUMMARY TABLE

Delete the following items:

| Item No. | Description | Unit Price | Total Cost |
|------------|--|------------|-------------|
| Contract E | 145-07-01D - Sanitary Manhole Lining | | |
| 6D | 26 each urethane chimney seal | \$210.00 | \$5,460.00 |
| 7D | 14 each butyl and urethane chimney seal | \$260.00 | \$3,640.00 |
| 9D | 30 each provide temporary concrete pavement restoration in | \$50.00 | \$1,500.00 |
| | place of permanent concrete restoration at manhole | | |
| | Total Deductions to CO-1450701D-01 | | \$10,600.00 |

Add the following items:

| Item No. | Description | Unit Price | Total Cost |
|-------------|--|------------|--------------|
| Contract E1 | 45-07-01D - Sanitary Manhole Lining | | |
| 5D | 13 each internal/external manhole chimney seal | \$280.00 | \$3,640.00 |
| 8D | 24 each butyl chimney seal | \$50.00 | \$1,200.00 |
| | Total Additions to CO-1450701D-01 | | \$4,840.00 |
| | Total Deductions | | -\$10,600.00 |
| | Total Additions | | \$4,840.00 |
| | Total Cost for CO-1450701D-01 | | -\$5,760.00 |

December 11, 2007



21040 Commerce Boulevard Rogers, MN 55374-9341 www.infratechcatalog.com Phone 763/428-6488 • Fax 763/428-6489

Mr. Mark Radtke Director of Public Works City of Menasha 140 Main Street Menash, WI 54952

Dear Mark:

Infratech is pleased to offer a discount with respect to manhole locations identified by the city as needing only temporary surface restoration. As we discussed at the pre-construction meeting, Infratech will place a three inch thick non-reinforced pavement patch in lieu of our standard nine inch thick reinforced permanent patch at those locations. The temporary surfaces will be poured either with our standard nine bag surface mix or with left over seven bag wall mix when available. Although some cracking may occur, we feel the temporary surface should provide a couple years of service life.

Our per location discount is itemized including labor and material as follows:

| 1) | Deduct .30 cu/yds concrete @ \$98.00/yd\$29.40 (includes fuel surcharge & heating charges) |
|----|--|
| 20 | (includes their surcharge of hearing charges) |
| 2) | Deduct 14 lineal feet #4 reinforcing rod @ \$0.28/lf\$3.92 |
| 3) | Deduct 5 minutes of labor @ \$200.00/hr\$16.67 |
| ٠, | (time saved not pouring/placing .30cu/yds above, finishing time is the same) |
| | Total\$50.00 |

Mark, please call me if you have any questions or concerns.

Respectfully,

Matt Huston

Infrastructure Technologies, Inc.

(888) 289-1163 Rhinelander (Toll Free)

CC: Taryn Nall, Kaempfer & Associates



MONTHLY STATEMENT OF UNIT PRICE CONTRACT AMOUNT

| Request for: | Partial (Partial/ Final) | Payment No. | PR-1450701D | -01 Date: | January 14, 2008 |
|---------------------|--------------------------------------|----------------------|---------------------|----------------|--------------------------|
| | | | | | |
| Project: | Wastewater Collec | tion System Rehal | bilitation Improve | ements, Phase | 2 3 |
| Owner: | City of Menasha | | | | |
| Contractor: | Infrastructure Tech | nologies, Inc. | | | E145-05.11 |
| | | | | | |
| | | | | | |
| 9.77 | tract Amount as Bid | | | - | \$312,491.00 |
| | DUCT) by Revised (| • | | | \$0.00 |
| *Amount Ad | ded by Change Orde | er: | | | \$0.00 |
| *Amount De | ducted by Change O | rder: | | | \$0.00 |
| TOTAL C | CONTRACT THIS I | DATE: | | | \$312,491.00 |
| Value of Wo | rk Completed to Dat | e: | | | \$34,719.34 |
| Less <u>5</u> Per C | Cent Retainable: | | | | (\$1,735.97) |
| Net Total: | | | | | \$32,983.37 |
| | | | | | |
| Project on Sc | hedule: | YES | NO | 11% C | omplete |
| Record of Pre | evious Payments: | | | | |
| 1 | | 6 | | 11 | |
| 2 | | 7 | | 12 | |
| 3 | | 8 | | 13 | |
| 4 | | 9 | | 14 | |
| 5 | | 10 | | 15 | |
| Amount Prev | iously Paid: | | | 9 | \$0.00 |
| | AMOUNT | DUE THIS REQ | UEST: | 8. | \$32,983.37 |
| | | | | | |
| This is to cert | ify that, in accordance | ce with the terms of | of the Contract, th | e Contractor | is entitled to a payment |
| in the amount | requested. | | | | |
| Engineer's Ap | proval for Payment | | Owner's Appr | roval for Payı | ment |
| BY: / | $ 0$ $_{1}$ | , 0 | BY: | | |
| | S. Nall, P.E. | | - | Radtke, P.E., | Dir. of Public Works |
| KAEM | MPFER & ASSOCIA | TES, INC. | | OF MENAS | |

^{*} See Unit Price Contract Spreadsheet K-VE145/05/11/PR/INFRATECH/#1.doc

| Unit Pr | Unit Price Contract | | | PROJEC | F. Wastewater Co | ollection Syst | PROJECT: Wastewater Collection System Rehabilitation Improvements Phase 3 | Improvemen | ts Phase 3 | | | |
|-------------|---|-------|------------------|--------|---|----------------|---|------------|-----------------|-----------|-------------|------------------------|
| E145-0 | E145-07-01D Sanitary Manhole Lining | | | OWNER | OWNER: City of Menasha | а | | | | | | |
| Januar | January 3, 2008 | | | CONTRA | CONTRACTOR: Infrastructure Technologies, Inc. | icture Techno | dogies, Inc. | | | | | |
| ITEM | DESCRIPTION | UNITS | UNITS UNIT PRICE | | BID TOTAL | PREVIOUSI | PREVIOUSLY REQUESTED | CURREN | CURRENT REQUEST | REVISED * | TOTAL | ADD (+0) DEDUCT (-) |
| N O N | | | | -11- | | QTY. | TOTAL | QTY. | TOTAL | | | |
| 1D | Manhole concrete lining | VF | \$226.00 | 972 | \$219,672.00 | 00.00 | \$0.00 | 101.59 | \$22,959.34 | 101.59 | \$22,959.34 | -\$196,712.66 |
| 2D | Sanitary sewer pipe connection | EA | \$75.00 | 268 | \$20,100.00 | 0 | \$0.00 | 28 | \$2,100.00 | 28 | \$2,100.00 | -\$18,000.00 |
| 3D | Manhole flow channel construction to springline | EA | \$367.00 | 72 | \$26,424.00 | 0 | \$0.00 | 25 | \$9,175.00 | 25 | \$9,175.00 | -\$17,249.00 |
| 4D | Manhole flow channel construction to 1-inch above | EA | \$580.00 | 39 | \$22,620.00 | 0 | \$0.00 | 1 | \$580.00 | 1 | \$580.00 | -\$22,040.00 |
| 5D | Internal/external manhole chimney seal | EA | \$280.00 | 31 | \$8,680.00 | 0 | \$0.00 | - | \$280.00 | 1 | \$280.00 | -\$8,400.00 |
| (D) | Urethane chimney seal | EA | \$210.00 | 31 | \$6,510.00 | 0 | \$0.00 | 0 | \$0.00 | 0 | \$0.00 | -\$6,510.00 |
| 7D | Butyl and urethane chimney seal | EA | \$260.00 | 3.1 | \$8,060.00 | 0 | \$0.00 | 0 | \$0.00 | 0 | \$0.00 | -\$8,060.00 |
| 8D | Butyl chimney seal | EA | \$50.00 | 18 | \$900.00 | 0 | \$0.00 | 2 | \$100.00 | 2 | \$100.00 | -\$800,00 |
| | Alternative bid item 1D for lining Manhole 614 | EA | -\$475.00 | П | -\$475.00 | 0 | \$0.00 | - | -\$475.00 | | -\$475,00 | \$0.00 |
| | TOTAL, PART D ITEMS 1D THROUGH 8D | | | | \$312,491.00 | | 80.00 | | \$34,719.34 | | \$34,719.34 | -8277,771.66 |

K:\E145\05\11\PRUNFRATECH\PR#1

RESOLUTION R-1-08

A PRELIMINARY RESOLUTION DECLARING INTENT TO EXERCISE SPECIAL ASSESSMENT POWERS UNDER SECTION 66.0703, WISCONSIN STATUTES

Introduced by Alderman

RESOLVED, by the Common Council of the City of Menasha, Wisconsin:

- 1. The Common Council hereby declares its intention to exercise its powers under Section 66.0703, Wisconsin Statutes, to levy special assessments upon property within the following described area for benefits conferred upon such property by improvement of the following:
 - A. Improvements
 - 1. Concrete Curb & Gutter Construction
 - 2. 4" Asphaltic Concrete Pavement Construction
 - 3. Various Associated Items
 - B. Location of Improvements
 - 1. Lake Park Heights Subdivision
 - 2. Northridge Manor II Subdivision
 - 3. Walker Subdivision
- 2. The total amount assessed against such improvements shall not exceed the total cost of the improvements. The Common Council determines that such improvements shall be made under the police power, and the amount assessed against each parcel shall be on a cost per front foot, area, or unit cost basis.
- 3. That the assessment against any parcel shall be paid in accordance with Section 3-2-14 of the Menasha Municipal Code.
 - 4. The Board of Public Works is directed to compile a report consisting of:
 - A. Plans and Specifications of said improvements
 - B. A summary of the allotted cost of the said improvements
 - C. A schedule of proposed assessments showing the properties which are benefited by the improvement

Upon completing such report, the Board of Public Works is directed to file a copy thereof in the City Clerk's Office for public inspection.

- 5. Upon receiving the report of the Board of Public Works, the City Clerk is directed to give notice of a public hearing on such report as specified in Section 66.0703(7)(a), Wisconsin Statutes. The hearing shall be held in the Council Chambers at the City Hall at a time set by the City Clerk in accordance with Section 66.0703(7)(a), Wisconsin Statutes.
- 6. The notice and hearing requirements under paragraph 5 do not apply if they are waived, in writing, by all the owners of property affected by the special assessment, as specified in Section 66.0703(7)(b), Wisconsin Statutes.

Passed and approved this 21st day of January, 2008.

| | Joseph F. Laux, Mayor |
|---------|---------------------------------|
| | |
| | |
| Attest: | |
| | Deborah A. Galeazzi, City Clerk |

Kaempfer & Associates, Inc.

Consulting Engineers

650 East Jackson St. P.O. Box 150 Oconto Falls, Wisconsin 54154 (920) 846-3932 Fax (920) 846-8319

DATE:

January 15, 2008

E145-05.01

TO:

Neenah-Menasha Sewerage Commission

FROM:

Taryn S. Nall, P.E. ISN

PROJECT:

City of Menasha Phase 3 SSES and Sewer Rehabilitation Program

RE:

Status Report

Copies to:

Mayor Joseph Laux and City Council

Mark Radtke, P.E., Director of Public Works

The City of Menasha started an extensive sewer system evaluation survey (SSES) and sewer rehabilitation program in 2002 to reduce infiltration and inflow (I/I) by correcting defects and structural deficiencies. Sources of I/I include manhole and sewer defects such as cracks, open joints, and fractured pipe; cracked sanitary lateral connections; and foundation drain cross-connections. The SSES and rehabilitation work is being performed throughout the entire collection system in four phases to make the program more manageable, prioritize drainage districts having the highest I/I, reduce manpower requirements, and spread out capital cost requirements. The drainage areas of the four phases are shown in Figure 1.

The SSES programs include a manhole inspection program, smoke testing program, sewer televising program, sanitary lateral televising program, and sump pump inspection program. The results of the survey work are evaluated and summarized in an SSES report. The SSES report identifies the sewer system defects that are cost-effective to correct, and identifies the structural defects that must be repaired or replaced.

The Phase 3 SSES included inspection of 461 manholes and sewer televising of 106,554 lineal feet of sanitary sewer ranging in size from 8 inches in diameter to 48 inches in diameter. The Phase 3 SSES included foundation drain/sump pump inspections and smoke testing of the southern portion of the Phase 3 study area that has primarily commercial development.

The Phase 3 SSES report was completed in January of 2007. The report summarized the results of the manhole inspection program, sewer televising program, and smoke testing program; and included a recommended improvements plan to reduce I/I into the sewer system and correct deficiencies of manholes and sewers in the sewer system. The Phase 3 rehabilitation program includes sewer defects in the Phase 2 SSES study area that have not been corrected. The Phase 2 rehabilitation program in 2005 identified sanitary sewers that could not be grouted due to significant structural defects. The sanitary sewer segments will be totally lined or spot lined with a cured-in-place lining (CIPP).

HIBON -

Fig. 1 Phases For Wastewater Collection System Improvements

January 15, 2008 Neenah-Menasha Sewerage Commission Page 3

The Phase 3 SSES report and construction plans and specifications for the Phase 3 Wastewater Collection System Rehabilitation Improvements were approved by the Wisconsin Department of Natural Resources (WDNR) on August 6, 2007. A summary of the Phase 3 Wastewater Collection System Rehabilitation Improvements is presented in Table 1.

Table 1 Summary of Phase 3 Wastewater Collection System Rehabilitation Improvements

| Item | Work to be Completed |
|--|-------------------------|
| Sanitary Sewer CIPP Lining | |
| 8-inch diameter sanitary sewer | 15,529 lineal feet |
| 10-inch diameter sanitary sewer | 7,244 lineal feet |
| 12-inch diameter sanitary sewer | 13,816 lineal feet |
| 15-inch diameter sanitary sewer | 2,547 lineal feet |
| 18-inch diameter sanitary sewer | 7,643 lineal feet |
| 21-inch diameter sanitary sewer | 1,006 lineal feet |
| Pressure Inject Grouting Lateral Connections | 256 lateral connections |
| Sanitary Sewer CIPP Spot Lining | |
| 8-inch diameter sanitary sewer | 83 lineal feet |
| 10-inch diameter sanitary sewer | 4 lineal feet |
| 12-inch diameter sanitary sewer | 41 lineal feet |
| 27-inch diameter sanitary sewer | 16 lineal feet |
| Pressure Testing and Grouting Sanitary Sewer Joints and Cracks | 302 joints and cracks |
| Pressure Inject Grouting Manholes | 20 manholes |
| Manhole Wall Repair | 3 manholes |
| Invert Reconstruction | 2 manholes |
| Sanitary Sewer Obstruction Removal | 19 locations |
| 8-inch Diameter Sanitary Sewer Replacement | 2,107 lineal feet |
| Sanitary Manhole Replacement | 3 manholes |
| Sanitary Manhole Concrete Lining | 111 manholes |

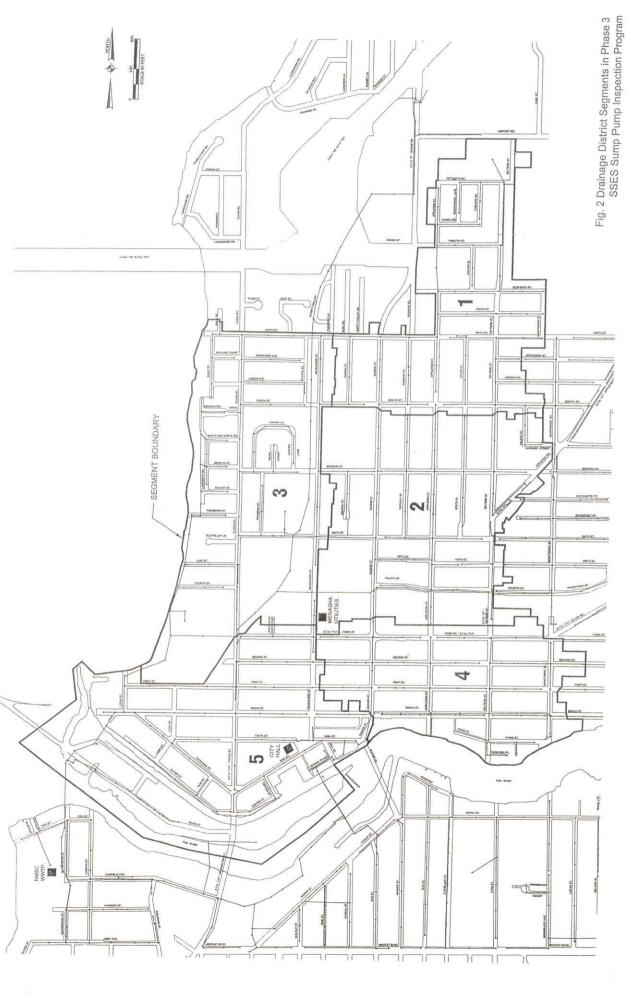
The Phase 3 Wastewater Collection System Rehabilitation Improvements project was bid on July 26, 2007. The four construction contracts were awarded on November 6, 2007. The total construction cost for the Phase 3 Wastewater Collection System Rehabilitation Improvements is estimated to be approximately \$2,258,000. The total project cost is estimated to be approximately \$2,733,400. The capital costs for the Phase 3 Wastewater Collection System Rehabilitation Improvements will be financed by a 20-year low interest loan from the Wisconsin Clean Water Fund (CWF). The user charge system was updated in September of 2006 to increase revenue to finance the project.

Construction of the Phase 3 Wastewater Collection System Rehabilitation Improvements project started in December of 2007. Construction is expected to be completed in December of 2008. The Phase 3 Wastewater Collection System Rehabilitation Improvements are anticipated to reduce I/I by approximately 350,000 gallons per day (gpd).

The Phase 2 SSES program included inspection of 1,530 sewered properties. Corrections of violations were completed at 253 properties. Twelve properties in the Phase 2 SSES study area are receiving sewer user surcharges for sewer use ordinance violations.

January 15, 2008 Neenah-Menasha Sewerage Commission Page 4

The Phase 3 SSES program includes a sump pump inspection program that will be completed in 2008. The sump pump inspection program is being performed in segments to make the program easier to manage and implement corrections. The locations of the five segments are shown in Figure 2. The Department of Public Works staff is performing the property inspections to identify illegal cross-connections to foundation drains or sump pump discharges to sanitary laterals. Inspections have been performed at 447 of the 449 sewered properties in Segment No. 1, 441 of the 446 sewered properties in Segment No. 2, 452 of the 455 sewered properties in Segment No. 3, and 214 of the 218 sewered properties in Segment No. 4a, that is approximately one-half of the Segment No. 4 area. Violations have been identified at 96 properties in Segment No. 1, 126 properties in Segment No. 2, 153 properties in Segment No. 3, and 24 properties in Segment No. 4a. Corrections have been completed at 91 properties in Segment No. 1, 119 properties in Segment No. 2, 145 properties in Segment No. 3, and 24 properties in Segment No. 4a. Thirty-one properties in the Phase 3 SSES study area are receiving sewer user surcharges for sewer use ordinance violations.





January 17, 2008

To:

Mark Radtke

From: Tim Jacobson, Public Works Superintendent

Re:

December 2007 Snow and Ice Control

As you have probably read or been informed December 2007 snow fall has been determined to be the fifth worst December in record history. The snow started falling on December 1st and by the 31st 22-23" had accumulated. That may not sound like much until you compare it to the average total annual snowfall of 45" for our region.

The Department of Public Works has developed a Snow and Ice Control Policy that has proven to be economical and efficient. The crew is trained according to the policy and performs admirably. The Snow and Ice Control Policy can be found on our City of Menasha website.

At this time the December status ledgers have not been printed so I can only relay the equipment and material costs.

| 31105410124 S a) Usage b) Replacement | now & Ice Control Service Account 6,785.50 miles and/or hours 947.25 hours | \$47,818.11 \$14,374.93 |
|---|--|----------------------------|
| 31105410125 H | auling Snow | |
| a) Usage | 1,172.00 miles and/or hours | \$10,957.20 |
| b) Replacement | | \$ 4,696.67 |
| 31105410202 Pa | arking Lots | |
| a) Usage | 792.75 miles and/or hours | \$ 6,123.24 |
| b) Replacement | 198.00 hours | \$ 3,231.48 |
| Total December snow and ice re | elated equipment | \$87,201.63 |

Material costs involve salt & brine usage

From 2000 to 2005 the average salt usage for December was 272.81 ton with 2005 peaking at 439.98 ton. December 2007 salt usage was 63% above the 5 year average (2000-2005) reaching 725.92 ton (this includes making brine) at \$39.95/ton is equal to \$29,000.51. Our salt usage is consistent with surrounding communities. In conversation with Joel Rasmussen the Winnebago County Highway Supervisor, he told me that the worst winter experienced when Winnebago County used 6,000 tons of salt. For December 2007 the Winnebago County Highway Department used 3,000 tons.

One tool the Department of Public Works has developed is the use of salt brine. During December 2007 we sprayed 29,967 gallons of salt brine on Menasha streets and parking lots. Depending on application rates the Code Blue routes will use 7,500 to 9,300 gallons per application. The brine is batched up inhouse at a cost of roughly \$.07/gallon for a December cost of \$2,027.69.

To demonstrate the cost effectiveness of spraying our Code Blue routes with salt brine, here is a review of action taken. Friday, January 11, 2008 was forecast with a plowable snow event. Usually during the night as the storm starts a minimum of 3 salters are called out by the police department 3-4 hours minimum before our scheduled Code Blue crew comes in to plow them (usually 3:00am). On this particular event (January 10, 2008) the Department of Public Works sprayed the Code Blue routes at 60 gallons per mile. The storm started approximately 8:15pm Thursday and at 3:00am on Friday when the Code Blue crews came in, no salters were required or requested during the 6 hours between the start of the storm and when crews came in to plow.

The cost savings for this single event are:

| 1) | Minimum 2 hrs call time pay & 2 hrs minimum pay X 3 | \$ 383.64 |
|----|---|-----------|
| 2) | Minimum 15 tons of salt @ \$39.95/ton | \$ 599.25 |
| 3) | 35 miles per salter X 3 X \$5.00 per mile | \$ 525.00 |
| 4) | 6 hours minimum replacement @ \$15.83/hour | \$ 94.98 |
| | | \$1602.87 |

As to questions of using overtime pay, we are very prudent. Our day starts at midnight and until our crews work eight (8) hours there is no overtime or overtime is limited. In the past our technology afforded us not to pay call time by scheduling overtime events, but the contract was changed to offset our progressive technical advancements.

There are numerous contribution factors when battling Mother Nature's winter fury. Enclosed is a copy of the Department of Transportations FAQ. One question "Why the difference in performance from storm to storm"? Even I was surprised to read that there are "reportedly more that 60,000 combinations of winter storms that can hit Wisconsin during the season".

My personal question is "what does every snow storm have in common"?

Answer: Traffic slows down to 10 mph over the speed limit! Our job is to save them from themselves!

FIVE YEAR SALT USAGE/AVERAGE

| 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 5-YEAR TOTAL | 5-YEAR AVERAGE | |
|--------------|--------|--------|---------|--------|---------|-----------------|-------------------|---------|
| | 1443 | 247.84 | 311 21 | 452.4 | 430 28 | 1,915 34 | | 383.07 |
| | 178.85 | 155.66 | 357.29 | 174.82 | 384.71 | 1,465.95 | | 292 99 |
| | 55.13 | 175 59 | 1723 | 62.37 | 177.46 | 644 47 | | 128.89 |
| | 0 | 8 26 | 101.5 | 0 | 0 | 109 76 | | 21.95 |
| | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 32.4 | 12.46 | 0 | 95.43 | 246.64 | | 49.33 |
| - | 121 01 | 40.66 | 151.57 | 189.45 | 439.98 | 1364 05 | | 272.81 |
| 4 | 499.29 | 660.41 | 1106.33 | 879.04 | 1527.86 | 5,746.21 | | 1149.04 |

FIVE YEAR SALT USAGE/AVERAGE

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 5-YEAR TOTAL | 5-YEAR 5-YEAR TOTAL AVERAGE |
|-----------|--------|---------|------|------|------|------|-----------------|--------------------------------|
| JANUARY | 87.58 | 359.16 | | | | | 446.74 | |
| FEBRUARY | 282.98 | 239.57 | | | | | 522.55 | |
| MARCH | 85.33 | 267.05 | | | | | 352.38 | |
| APRIL | 0 | 76.15 | | | | | 76.15 | |
| MAY | 0 | 0 | | | | | 0 | |
| JUNE | 0 | 0 | | | | | 0 | |
| JULY | 0 | 0 | | | | | 0 | |
| AUGUST | 0 | 0 | | | | | 0 | |
| SEPTEMBER | 0 | 0 | | | | | 0 | |
| OCTOBER | 0 | 0 | | | | | 0 | |
| NOVEMBER | 0 | 79.77 | | | | | 79.77 | |
| DECEMBER | 156.07 | 725.92 | | | | | 881.99 | |
| TOTALS | 611.96 | 1747.62 | | | | | | |

| | | | STARTING | BALANCE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|--------------------|------------------|----------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------------|--------|----------|----------|----------|--------------------|----------|----------|----------|------------------|
| INVENTORY | 4 | TONS IN STORAGE | 000 | 9,400.00 | 9,100,00 | 4 096 00 | 2 478 00 | 3 773 00 | 326.00 | 326.00 | 326.00 | 326 00 | 326.00 | 4 326 00 | 8,326.00 | 8,326,00 | 8 326 00 | 8 326 00 | 8 326 00 | 8,326,00 | 8,326,00 | 8,326,00 | 8,326,00 | 8,328,00 | 8.114 00 | | 7 690.00 | 7,690,00 | 7.556.00 | 6,862.00 | 6,795,00 | 7,895,00 | 2.833.00 | 2,833,00 |
| MATERIAL | SALT BRINE | TONS | | | 300.00 | 5,004.00 | 4,618.00 | 205.00 | 130.00 | 00.36 | | | | | | | | | | | | | | | 212.00 | 424.00 | | | 134.00 | 694.00 | 67.00 | | 7,262.00 | 28,967,00 |
| WINTER ANTI & DEICING MATERIAL INVENTORY | | TONS | | | | | 3,000,00 | 1,500.00 | 00.000.0 | | | | | 4,000.00 | 4,000.00 | | | | | | | | | | | | | | | | | 1,100.00 | 2,200.00 | 22,400,00 |
| WINTER | | DATE | تا ان ا | | 2 | n | 4 (| D 0 | 0 1 | - 00 | 0 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | TOTAL |
| | | | STARTING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ORIDE | STORAGE | | | 00 0 | | | | | 000 | 000 | | | 00.0 | | 0.00 | 00 0 | | | | 00'0 | 00.0 | 00'0 | 0.00 | | | | 00.0 | 00 0 | | | | | 0.00 |
| NVENTORY | CALCIUM CHLORIDE | TONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WINTER ANTI & DEICING MATERIAL INVENTORY | Ö | TONS | | - | 2 | eo . | 4 | 0 9 | 7 | - 00 | 6 | 10 | = | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | AL |
| ER ANTI & D | | DATE | STARTING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL |
| LNIM | | TONS IN | STA 194 11 BA | | 194 11 | 194 11 | 194 11 | 104 11 | 194 11 | 194 11 | 194 11 | 194.11 | 194.11 | 194.11 | 194.11 | 134.11 | 194 11 | 194 11 | 194,11 | 194 11 | 194.11 | 194 11 | 194 11 | 194 11 | 194.11 | 194 11 | 194 11 | 194 11 | 194 11 | 194.11 | 194 11 | 194.11 | 194.11 | 194.11 |
| | CHIP MIX | TONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TONS | | - | | | | | 71.60 | | | | | | | | | | | 2200 | 924V) | | | | | | | | | | | | | |
| R 2007 | | DATE | യി ച | | | | | , 0 | 1- | w | o, | 10 | - | 12 | 15 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 3 | TOTAL |
| VENTORY DECEMBE | | TONS IN STORAGE | 1433.44 BALANCE | 1,373.26 | 1.340.07 7"storm | .333.86 | 1 247 05 | 1 215 25 | 1.172.95 | 1,172.95 | 1 172.95 | 1,170,75 | 1,149.87 | 1,145.47 brine | 1,124.27 | 1,124.27 | 1,088.43 | 1.088.43 | 1,088.43 | 1,088 43 | 1.088 43 | 1,088.43 | 1.088.43 | 1,088.43 | 990.41 triple appl | 924 90 | 924.90 | 923.05 | 877.88 | 782.39 triple appl | 780.55 | 744 18 | 710.52 | 710.52 22" accum |
| MATERIALI | ROAD SALT | TONS | | 60.18 | 33.19 | 22.40 | 64 71 | 31.80 | 42.30 | | | 2.20 | 20.88 | 4.40 | 21.20 | | 35.84 | | | | | | | | 98.02 | 65.51 | | 1,85 | 45.17 | 95.49 | 1.84 | 36.37 | 33.66 | 722.92 |
| WINTER ANTI & DEICING MATERIAL INVENTORY DECEMBER 2007 | | DATE PURCHASED | | · | 2 0 | 0 4 | 4 rc |) (စ | 7 | 80 | 0 | 10 | 7 | 12 | 13 | 14 | 15 | 16 | 17 | 0 | 9 | 20 | 24 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | TOTAL |

WISCONSIN DEPARTMENT OF TRANSPORTATION

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Snow plowing guidelines

18-24 hour service

Passable roadways

Snow plowing priorities

Snow plowing brochure

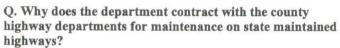
Frequently asked questions

Winter maintenance facts

Travel > Travel by > Road >

Frequently asked questions

Q. How many snowplows does the department own? The department does not own any snowplows. Instead, the department contracts with the 72 county highway departments to plow and provide ice control on all state and US-numbered highways, and the Interstate system. The county highway departments have 729 snowplows that operate on the state highway system throughout the state.



The system was set up over 85 years ago. Legislative audits have shown that this arrangement is not only cost effective but in the best interest of the citizens of Wisconsin and the users of our state highway system.

Q. Why do we salt the roadways in the winter?

Salt is used to make the roadways safer during the winter. It lowers the freezing point of snow and ice and keeps the snow "workable" so it is more easily removed. Salt can be used for anti-icing, de-icing, or melting. Anti-icing is a technique where a chloride is applied to the roadway prior to a storm to prevent the snow/ice from bonding to the pavement. De-icing and melting is when a chloride is applied after the storm has begun in order to break up ice and snow pack or to melt glare/black ice.

Q. What are the limitations of road salt?

The minimum practical application range for salt is a pavement temperature of 15-20°F and above. While salt will melt snow and ice down to a pavement temperature of -6°F, it can melt over five times as much ice at 30°F as at 20°F. Thus the effectiveness of salt is sensitive to small differences in pavement temperature. Counties will attempt to apply only the amount required for temperature, time and use. Too little and the roadway will refreeze, too much is a waste of money and resources.

When the pavement temperature drops below 15°F the effectiveness of salt is decreased significantly. At these lower temperatures, the county highway departments will typically cease straight salt applications and begin adding other chemicals to the salt such as calcium chloride or magnesium chloride that will lower the freezing point even further.

Wind conditions must also be considered when deciding on whether to apply salt or other de-icing agents. As the temperatures drop and the snow becomes dryer, the wind can



Related information:

Safe winter driving tips
Winter road condition report

begin to blow the snow across the pavement. If there is a chemical residue left on the pavement from a previous salt application, blowing snow can be attracted to the residue and stick to the pavement creating hazardous conditions that would not have existed if no de-icing agents were previously applied. This is why counties are sometimes reluctant to apply salt or chemicals when the pavement temperatures are below 15°F. The effectiveness of salt can also be affected by the type of pavement. For example, salt works better on new asphaltic (blacktop) pavements than on tined concrete pavements.

The salt being used today typically includes other ice melting de-icing agents to increase its effectiveness at lower temperatures and to help it better adhere to the pavement. Adding other de-icing agents to the salt also reduces the number of applications needed. WisDOT is always looking for new ways to reduce the amount of chlorides needed to return the roadways to safe winter driving conditions. Sometimes counties use sand and other abrasives at lower temperatures to improve friction on the roadway. Abrasives have no ice melting properties and thus their use is limited.

Q. Why doesn't the department use more sand? Our experience, and the body of research on the use of sand, indicate the benefits of abrasives (sand) applied to roadways are very minimal. Abrasives are easily displaced from the roadway by traffic and they have no ice melting properties. There are also negative environmental consequences such as air pollution and siltation of waterways.

Q. What is the importance of pavement and subsurface temperatures? Why can't you just use air temperatures? The ability of deicing agent to melt snow and ice depends on the temperature of the roadway and not the air temperature. During the fall the pavement is often kept warmer than the surrounding air because of the warm soil. During the spring the reverse may be true. The pavement temperatures can be colder than the air because the soil is still frozen from the low winter temperatures. The sun also has a strong influence on the pavement temperatures. It can help heat the pavement and speed the melting process. Air and pavement temperatures can often differ by as much as 20 degrees Fahrenheit. For example, on a recent bitterly cold early winter day the air temperature was below 4°F and the pavement or surface temperature was 24°F, primarily because the subsurface temperature had not yet dropped below freezing.

Q. Am I allowed to pass a snowplow?

There are no state laws that prohibit you from passing a snowplow. However, it is illegal (State Statute 346.915) to follow a snowplow closer than 200 feet upon any highway having the posted speed limit of more than 35 mph if the snowplow is engaged in snow and ice removal. The majority of crashes involving snowplows and vehicles happen when a snowplow is rear ended or hit while being passed. Snowplows have wing plow blades that can extend anywhere between 2 and 10 feet beyond the width of the truck. This wing plow

blade is often not seen because of the snow cloud being kicked up by the snowplow. These wing plows can often weigh as much as a compact car.

Q. Who determines when the snowplows are called out? Under department policy, county highway departments determine when and how to respond to a storm. The county patrol superintendent is typically responsible for calling out the crews.

Q. Why is it that I never seem to see a snowplow during a winter storm?

The department is responsible for snow removal on 11,612 centerline miles of roadway (or 31,429 lane miles) and 4,887 bridges. Using 729 trucks, the average time to complete a snow route is approximately 2½-3 hours, but some cycle times can be as long as four hours. Time is also needed to load and reload the truck with de-icing materials. The number of lane miles, if placed end to end, would circle the earth.

Q. Why does the department have its own weather reporting stations?

WisDOT has 61 specialized weather reporting stations that collect road surface information and atmospheric information that reflect conditions on the roadway. The systems measure air and pavement temperatures, relative humidity, wind speed and direction, subsurface temperatures, depth of precipitation on the roadway, and salt concentration. This information is used by weather forecasters to develop county specific forecasts. It is also used by county patrol superintendents to help determine the appropriate response to a storm.

Q. Why the difference in performance from storm to storm?

One of the biggest factors that determine county highway department performance is the type of storm and range of temperatures. There are reportedly more than 60,000 combinations of winter storms that can hit Wisconsin during the winter and each poses unique problems to snowplow operators. Storms with low temperatures can be difficult because deicing agents become less effective at the lower temperatures. Storms with high winds also are a challenge because the snow quickly blows back onto the roadway after the plows pass.

Q. Why are you spraying water on the roadway on a perfectly clear day?

We are actually spraying a liquid salt solution on the roadway that will help keep snow and ice from bonding to the pavement. Spraying a salt solution on the roadway is similar to spraying a frying pan with oil to keep food from sticking to the bottom of the pan. The salt solution acts as a barrier so that the snow and ice won't form a strong bond to the pavement. Studies show that under extremely cold conditions ice frozen

to concrete has a stronger bond than concrete alone. In many locations we also spray the salt solution on bridge decks the afternoon before a predicted frost. The early application of the salt solution helps prevent frost from forming on bridge decks throughout the night.

Q. What hours do the plows operate during a storm? On higher volume roadways the plows usually operate 24 hours a day when the conditions warrant. There are times, however when hours need to be reduced to give operators the opportunity to rest. On lower volume highways, roadways are usually plowed between 4 AM and 10 PM, when conditions warrant. If weather conditions are so severe that we are making no progress or it is unsafe for them to operate, trucks may be pulled off the road until conditions improve.

Q. Who is responsible for the winter road condition report that I see on the Internet? Where else can I get road condition information?

The Wisconsin State Patrol is responsible for providing the winter road condition reports.

WisDOT offers traveler information, including road conditions and weather forecasts on the Internet and by telephone. Access the Web page at:

http://www.dot.wisconsin.gov/travel/road/winter-roads.htm or call 800-ROADWIS (762-3947).

Access the following Web page for winter roadway conditions in other states:

http://www.fhwa.dot.gov/trafficinfo/index.htm.

Q. What's the typical size of trucks in the department's fleet?

The county highway department's have two basic categories of trucks used in winter operations. A typical tandem tri-axle truck has a capacity of 15 tons and the single axle truck has a capacity of 5 tons. Trucks are usually kept for about 15-20 years and then sold at auction.

Q. Who is responsible for plowing snow on a state highway in a city or town?

It could be WisDOT or the city. In many communities, agreements between WisDOT and the city give the city full maintenance responsibility, including the removal of snow and ice, on state highways passing through those communities. These agreements can help reduce costs to WisDOT and provide for better continuity of service.



Questions about the content of this page: Michael Sproul, michael.sproul@dot.state.wi.us Last modified: December 2, 2005

Drivers & Vehicles | Safety | Travel | Plans & Projects | State Patrol | Doing Business | Programs for Local Gov't



January 16, 2008

Board of Public Works City of Menasha Menasha, WI 54952

RE: Recommendation to Reconstruct First Street from Manitowoc Street to Ice Street

Members of the Board:

The 2008 Budget (Account # 000-54121-822, see attached) includes First Street from Manitowoc Street to Ice Street as a street to be pulverized and resurfaced by Department of Public Works crews. During our preliminary field work for this project, we discovered the street condition is somewhat marginal for a resurfacing type improvement due to some poor sections of curb and gutter, and indications of insufficient base strength, given the type of surface cracking occurring.

Because of this concern, we dug some test holes along First Street to determine the amount and condition of base material. We found the condition of the material to be mostly satisfactory, but the amount (thickness) of material is insufficient to adequately support an overlay that should provide 12-15 years of service.

The 2008 Budget identifies First Street from DePere Street to Manitowoc Street as a reconstruction project due to previous overlays, pavement deterioration and curb condition. It is my recommendation that the reconstruction project be extended to include that segment of First Street from Manitowoc Street to Ice Street for the reasons expressed above. The estimated cost for the added work is \$105,000.

In order to accommodate this revision, I recommend delaying the reconstruction of Appleton Street from First Street to Appleton Street until a future budget year. The combination of eliminating Appleton Street (\$75,000) and including budgeted funds for First Street from Manitowoc to Ice (\$37,000) will cover the additional estimated cost of \$105,000. If there are sufficient remaining funds, the DPW crews could pulverize and resurface the block of Appleton Street from Broad Street to First Street which is in need of such per our street condition rating report.

Plans for the reconstruction project will be presented at an upcoming Board of Public Works meeting.

Sincerely.

Mark Radtke, P.E.

Director of Public Works

Attachment

M:\word\BPW report re 1st St reconst 1-16-08.doc

| PREPARED BY Mark Radtke | Ē | 10/10/2007 | MAYOR RECOMMEND | | 0.00 | 0.00 | 0.00 | | \$0.00 | 0.00 | 22000.00 | 26000.00 | 27000.00 | 29000.00 | 27000.00 | 30000.00 | 37000.00 | 90000.00 | 75000.00 | \$363,000.00 | \$363,000.00 |
|---------------------------------------|------------------------------|---------------|--|-------------------------|--|--|---|----------------------------------|--|--|---|---|---|--|--|--|--|---|---|--------------|-----------------------------------|
| PRE | DATE | 10 | DEPT HEAD REQUEST | | 0.00 | 0.00 | 0.00 | | \$0.00 | 118500.00 | 22000.00 | 26000.00 | 27000.00 | 29000.00 | 27000.00 | 30000.00 | 37000.00 | 90000000 | 75000.00 | \$481,500.00 | \$481,500.00 |
| BUDGET NAME Repl of Streets/Alleys | BUDGET NUMBER | 000-54121-000 | UNT # 991) | | e curb and | curb and | ite curb and | | | OOT) - Set aside | e and asphalt | and asphalt | asphalt | d asphalt | d asphalt | d asphalt | sphalt resurface | truction | tion | | EST/RECOMMEND |
| CITY OF MENASHA | 2008 BUDGET DETAIL - CAPITAL | | CAPITAL (DETAIL EACH REQUEST (SUB ACCOUNT # 991) | NEW STREET CONSTRUCTION | Northridge Manor II (Final asphalt pavement/concrete curb and outter)* \$170,000 | Later of the state of the second of the seco | Morgan Taylor Court (Final asphalt pavement/concrete curb and gutter)* \$34,500 | *Recommend use of borrowed funds | TOTAL STREET RECONSTRUCTION/REHABILITATION | Third Street, Tayco Street to Manitowoc Street (WisDOT) - Set aside funds for street enhancements including colored crosswalks/terraces and island landscaping | Pacific Street, Eighth Street to Ninth Street; pulverize and asphalt resurface by DPW (materials cost only) | Chute Street, Lush Street to Tayco Street; pulverize and asphalt resurface by DPW (materials cost only) | Eighth Street, Tayco St. to Pacific St.; pulverize and asphalt resurface by DPW (materials cost only) | Fourth Street, Konemac St. to East End; pulverize and asphalt resurface by DPW (materials cost only) | Konemac Street, Third St. to Plank Rd.; pulverize and asphalt resurface by DPW (materials cost only) | Green Bay Street, Broad St. to Third St.; pulverize and asphalt resurface by DPW (materials cost only) | First Street, Manitowoc St. to Ice St.; pulverize and asphalt resurface by DPW (materials cost only) | First Street, Depere St. to Manitowoc St.; total reconstruction | Appleton Street, First St. to Third St.; total reconstruction | TOTAL | TOTAL CAPITAL & REQUEST/RECOMMEND |

